# Mountain Weather Forecast

## Lake District National Park

Forecast valid from 00:00 on Wednesday 27 Dec 2023 until 23:59 on Thursday 28 Dec 2023

Forecast Issued on Tuesday 26 Dec 2023 at 09:46

**Confidence:** High confidence for unsettled conditions, lower confidence for detail towards the end of the week.

**Headline for Wednesday 27 Dec 2023:** Very wet and windy on Wednesday, improving into the evening.

**Mountain weather hazards on Wednesday 27 Dec 2023**

| | | |
|---|---|---|
| **Blizzards**<br>No Likelihood | **Heavy persistent snow**<br>No Likelihood | **Storm force winds**<br>High Likelihood |
| **Gales**<br>High Likelihood | **Severe chill effect**<br>High Likelihood | **Poor visibility**<br>Low Likelihood |
| **Thunderstorms**<br>No Likelihood | **Heavy persistent rain**<br>Medium Likelihood | **Strong sunlight**<br>No Likelihood |

| **Weather and chance of precipitation at 800m** | | | | | | | |
|---|---|---|---|---|---|---|---|
| Time | | | | | | | |
| 00:00 | 03:00 | 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 |
| | | | | | | | |
| Cloudy | Sleet | Sleet | Heavy Rain | Heavy Rain | Heavy Rain | Partly cloudy (night) | Heavy rain showers (night) |
| Precipitation probability | | | | | | | |
| 30% | 80% | 80% | 80% | 70% | 40% | 30% | 60% |

**Forecast for Wednesday 27 Dec 2023**

**Weather:** Heavy rain, falling as sleet and snow initially on hill tops, will push up from the southwest during the early hours, accompanied by very strong winds. This will persist until mid to late afternoon before clearing to the northeast. Drier with clear spells for a time before heavy rain and hail showers push in from the west late evening.

**Chance of cloud-free hill tops above 800m:** 30%, improving to 80% for a time late afternoon/evening.

**Low cloud and visibility:** Scattered or broken cloud base 500-700m, clearing late afternoon, further cloud base 500-700m later in association with showers. Visibility moderate or poor in heavy rain, sleet or snow, good in drier interludes later.

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# Mountain Weather Forecast

**Forecast for Wednesday 27 Dec 2023**

| Height (m) | Wind Speed mean/gusts (mph) | | | | | Wind Direction (blowing from) | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 00:00 | 03:00 | 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 | 00:00 |
| **900** | 35/42 SE | 50/62 SE | 57/70 SE | 59/72 SE | 48/60 S | 44/57 SW | 39/49 SW | 49/63 SW | 50/65 SW |
| **600** | 27/36 SE | 39/53 SE | 42/57 SE | 42/59 SE | 37/51 S | 34/48 SW | 30/43 SW | 38/54 SW | 37/54 SW |
| **300** | 9/26 SE | 16/40 SE | 19/48 SE | 16/47 SE | 15/39 S | 15/37 SW | 12/31 SW | 16/41 SW | 17/43 SW |
| **Valley** | 10/26 E | 16/38 SE | 19/47 SE | 17/46 SE | 17/38 S | 15/35 SW | 11/28 SW | 16/38 SW | 17/39 SW |

| Height (m) | Temperature / Feels Like (°C) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 00:00 | 03:00 | 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 | 00:00 |
| **900** | -1/-9 | -1/-12 | -1/-12 | 2/-7 | 5/-3 | 3/-5 | 1/-7 | 1/-9 | -0/-10 |
| **600** | 1/-6 | 0/-8 | 0/-9 | 2/-6 | 7/0 | 5/-2 | 3/-3 | 3/-5 | 2/-6 |
| **300** | 3/-0 | 2/-3 | 2/-3 | 5/1 | 8/5 | 7/3 | 6/2 | 5/1 | 4/-0 |
| **Valley** | 5/2 | 5/0 | 5/-0 | 7/3 | 10/6 | 9/5 | 8/5 | 7/4 | 7/3 |
| **Freezing Level*** | 700m | 700m | 1100m | 2100m | 1900m | 1300m | 1000m | 1000m | 900m |

**Level above which ground is expected to be frozen/snow is expected to settle.*

**Meteorologist's View**

Very strong winds and heavy rain will cause hazardous conditions for much of the day.

**Forecast for Thursday 28 Dec 2023**

**Weather:** Scattered heavy showers are expected throughout the day on Thursday accompanied by strong winds. Some sleet or snow on hill tops during the early hours, best chance of drier conditions through the latter part of the night.

**Maximum wind:** Southwesterly 20-30 mph gusting 35-45 mph

**Chance of cloud-free hill tops above 800m:** 40%

**Low cloud and visibility:** Scattered low cloud base 600-800m, lowering to 500m at times during the morning. Visibility moderate or poor in showers or hill fog, otherwise good.

**Temperature:** **Valleys:** Plus 7 to 9 Celsius
**At 800m:** Zero to plus 1 Celsius
**Freezing level:** 800m at first, rising 1000-1200m

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# Mountain Weather Forecast

**Ground Conditions Supplement**
Date: Tuesday 26 December 2023. Location: Blencathra summit at 11:00 Full report: There is currently no significant snow & ice or winter hazards on the Lake District fells. A colder night across the National Park gave a slight frost and some terrain was frozen. Areas of rime ice and pipkrake crystals were found above 800m. There was plenty of sunshine but a few slow moving showers were falling as light snow above 600m giving a cosmetic covering. However this is all forecast to dramatically change tonight with heavy snow, turning to rain during the day and gale force winds giving extremely challenging conditions even at moderate altitudes. Gusts of 70mph are easily enough to blow a walker over. Please be conservative with your plans, let someone know where you are going and go properly equipped with plenty of warm and waterproof clothing, hats and gloves, appropriate methods of navigation, food and fluid and a headtorch. It is worth adding goggles and microspikes to your kit to increase your 'enjoyment' and more importantly safety. Temperature: minus 0.7 C, Maximum wind speed 11.2 mph, Wind chill: minus 6.9 C, Average wind speed: 5.8 mph

Issued at: 1524 on Tue 26 Dec 2023

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